

Title (en)

AUTOMATED CLEANING MACHINE PROCESSING USING SHORTENED CYCLE TIMES

Title (de)

AUTOMATISIERTE REINIGUNGSMASCHINENVERARBEITUNG MIT VERKÜRZTEN ZYKLUSZEITEN

Title (fr)

TRAITEMENT DE MACHINE DE NETTOYAGE AUTOMATISÉE UTILISANT DES TEMPS DE CYCLE RACCOURCIS

Publication

**EP 4157053 A1 20230405 (EN)**

Application

**EP 21715368 A 20210305**

Priority

- US 202063031990 P 20200529
- US 2021021036 W 20210305

Abstract (en)

[origin: US2021369076A1] An automated cleaning machine may include one or more short cleaning cycles in which the duration of a cleaning cycle is shortened relative to the duration of a default cleaning cycle. During a short cleaning cycle, other cleaning cycle parameters may also be adjusted to ensure that the articles subjected to the short cleaning cycle are adequately cleaned and sanitized. For example, the wash temperature, rinse temperature, and/or cleaning product amounts or concentrations, may be adjusted to account for the shortened duration of the cleaning cycle. The automated cleaning machine may further include one or more short cycle mode(s) during which short cleaning cycle parameters are used and one or more default cycle mode(s) during which default cleaning cycle parameters are used.

IPC 8 full level

**A47L 15/00** (2006.01)

CPC (source: EP US)

**A47L 15/0026** (2013.01 - US); **A47L 15/0028** (2013.01 - US); **A47L 15/0034** (2013.01 - US); **A47L 15/0044** (2013.01 - EP US); **A47L 15/449** (2013.01 - US); **B08B 3/04** (2013.01 - US); **D06F 33/44** (2020.02 - US); **D06F 33/70** (2020.02 - US); **A47L 15/0021** (2013.01 - EP); **A47L 15/0076** (2013.01 - EP); **A47L 15/46** (2013.01 - US); **A47L 2401/03** (2013.01 - EP US); **A47L 2401/20** (2013.01 - EP); **A47L 2401/22** (2013.01 - EP); **A47L 2501/01** (2013.01 - US); **A47L 2501/06** (2013.01 - US); **A47L 2501/07** (2013.01 - US); **A47L 2501/30** (2013.01 - EP); **A47L 2501/34** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**US 11889963 B2 20240206**; **US 2021369076 A1 20211202**; AU 2021278071 A1 20221222; CA 3178921 A1 20211202; CN 115551400 A 20221230; EP 4157053 A1 20230405; JP 2023527425 A 20230628; US 2024122437 A1 20240418; WO 2021242352 A1 20211202

DOCDB simple family (application)

**US 202117193189 A 20210305**; AU 2021278071 A 20210305; CA 3178921 A 20210305; CN 202180034525 A 20210305; EP 21715368 A 20210305; JP 2022573330 A 20210305; US 2021021036 W 20210305; US 202318398859 A 20231228